Wisconsin Construction Codes Report, April 2004

UDC Inspection Agencies in the spotlight

With enactment of the December 2003 Wisconsin legislative change regarding the enforcement of the Uniform Dwelling Code (the one- and two-family dwelling code), there has been an increase in interest in the UDC Inspection Agency registration.

Inspection agencies previously have been available to enforce the UDC in municipal areas that had defaulted to state enforcement by choice or by making no official decision for or against enforcement.

Attention! Attention!

As of the March 15 printing deadline of this *WCCR*, the state Assembly and Senate have passed legislation that would delay the starting date of statewide **UDC enforcement** to January 2005. The Governor has not acted on the legislation. Watch the S&B WebSite for updated news, http://www.commerce.state.wi.us/SB/SB-UDCProgram.html.

With enactment of the new state legislation, the Home Safety Act, agencies are today the source of enforcement in any municipal area that doesn't have its own enforcement system.

Agencies will also be asked to bid for contracts for enforcement authority in an enforcement system the Safety and Buildings Division will be setting up this summer and fall. Again, these areas will be where the state has authority because the municipality chose state enforcement or did not make any official enforcement decision. There may be additional requirements for state-contracted agencies.

UDC Inspection Agencies perform the required UDC administrative plan review and inspection activities by employing one or more individuals who hold one or more of the UDC inspection credentials: Construction, HVAC, Plumbing, Electrical.

For more information on the individual UDC inspection certifications, see page 8.

Following is a synopsis of the rules governing UDC inspection agencies found in the Comm 5, License, Registration, and Certification Code: (see Comm 5.635 for specifics).

- The person applying for a UDC inspection agency registration shall be the owner of the business, a partner in the business applying on behalf of a partnership, or the chairman of the board or chief executive officer applying on behalf of the corporation.
- A registered UDC inspection agency shall be responsible for all of the following: (a) Utilizing persons appropriately certified under Comm 5.63 to review the plans, issue the permits and conduct the inspections; (b) Making the records relative to the plan review, issuance of permits and inspections available to the department upon request; (c) Providing inspection services for all inspections required under Comm 20.10; (d) Cooperating with the department in any program monitoring, enforcement activities, and investigations; (e) Following all procedures established by the department for UDC

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For overview of other UDC inspection credentials, see page 8

More reference materials acceptable at S&B exams

Restrictions have been removed concerning which reference materials are allowed at Safety and Buildings Division exams. Previously, there were specific stipulations as to what an examinee could take into the various exams to assist in figuring out exam answers. Now, an examinee will be able to use any written materials they wish to use (within reason, of course; if you have questions contact the S&B Credentialling Unit, madisoncred@commerce.state.wi.us, 608-261-8500). Laptops, handheld computers, cell phones, and other electronic devices are not allowed at the exams.



Plumbing and POWTS education classes

Cross Connection Control - 3 credit hours - Learn about new requirements for registration of cross connection control assemblies and how to recognize an approved device or assembly. Refresh your knowledge on assigning the correct cross connection device, assembly, or method for various situations. 6 - 9 p.m. Approved for JP, MP, JPRA, MPRA, UDC Plumbing Inspector. Course #5897.

UDC Plumbing Inspector - 6 credit hours - This could be an examination preparation course or a refresher for currently-licensed individuals. Review of drain and vent systems, cross connection control, plumbing products, and water supply systems. 8:30 a.m. - 3:30 p.m. Approved for MP, JP, UDC Plumbing Inspector. Course #5900.

Utility Contractor - 3 credit hours - Learn or review the code compliant design of water services and building sewers including choice of materials, water supply and building sewer sizing, and installation, including storm. 6 - 9 p.m. MP, JP, MPRS, JPRS, UDC Plumbing Inspector. Course #5898.

Pre-registration required. No walk-ins! Arrive 30 minutes early to check in. No confirmation letters will be sent. Limited seating. Keep a copy of the registration as a record of the class for which you have registered. Lists of people registered for the classes on the S&B WebSite, http://www.commerce.state.wi.us/SB/SB-DivContinuingEducation.html.

Waukesha, Quality Inn, 2417 Bluemound Road

4/22/04 UDC Plumbing Inspection-\$80-#5900

4/21/04 Utility Contractor-\$40-#5898

S&B Plumbing and POWTS
Programs online: http://
www.commerce.state.wi.us/SB/
SB-PlumbingProgram.html; http:/
/ww.commerce.state.wi.us/SB/
SB-PowtsProgram.html



Name	S&B Customer ID Number	
Address		
City/State/Zip		
Daytime Telephone:	Total Cost \$	
100-143-SBDV-323R-SG72-7630	Mail this registration form and check to: Safety and Buildings,	
Roberta Ward	, PO Box 2689, Madison, WI 53701-2689	

State administrative codes are on the Internet

http://www.legis.state.wi.us/rsb/code/codtoc.html. Paper copies may be purchased from Document Sales, 800-362-7253, for credit card purchases, or 608-266-3358.

Defining swimming pool "uniform" steps

by Lynita Docken, Safety and Buildings Public Swimming Pools Program Manager, Ldocken@commerce.state.wi.us, 608-785-9349

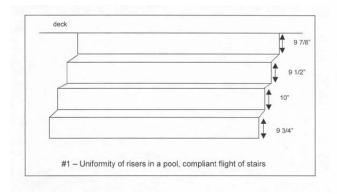
Comm 90.08(10)(d), Design and Construction of Public Swimming Pools, states that public swimming pool stairs shall have a uniform rise of not more than 10 inches.

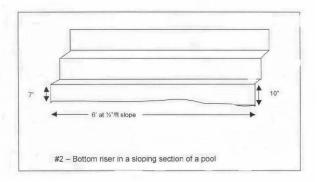
What does uniform mean? To interpret the term "uniform" for stairs, S&B looked to other sources. The building code states that tolerance between the largest and smallest riser defines the tolerance within a flight of stairs. Another source, a proposed water attraction code section, would allow a one-half inch tolerance for stair risers.

Based on these two references, "uniform" will

be interpreted by pool reviewers and inspectors as a difference of one-half inch between the smallest riser and the largest riser within a flight of stairs.

This interpretation works well for most of the instances in a pool stairway. However, where the stairway is located parallel to the slope of a pool, the floor slope of less than 1-inch per foot will cause the bottom riser to be a different height from one end of the stair to the other (see drawing #2). In this case, as long as the greatest rise is not more than 10 inches, the rise may be reduced to follow the slope of the pool.





Electrical Q&A

Based on the 2002 National Electrical Code. For info, contact the S&B Consultants listed below right.



Question: Section 110-26(D) reads in part: "Additional lighting fixtures shall not be required where the work space is illuminated by an adjacent light

source." The adjacent light source is not defined as a permanently installed lighting fixture. We have a lamp plugged into a wall-switch controlled lighting outlet. Would that satisfy the requirements of 110-26(D) as presently written?

Answer: Yes, if it is a dwelling unit habitable room. No, if it is a commercial application.

Section 110.26(D) states that additional lighting outlets shall not be required where the workspace is illuminated by an adjacent light source or as permitted by Section 210.70(A)(1), Exception No.1, for switched outlets. Exception No. 1 of 210.70(A)(1) applies to dwelling units only and does not apply to commercial installations.

Question: Section 220-22 states that there will be no reduction of the grounded conductor of a 3-wire circuit consisting of two phase wires and the neutral of a 4-wire, 3-phase, wye-connected system. In example D5(a) in Appendix D, a

continued on page 5

Electrical Consultants

Monte Ewing	Madison	.608-225-3416
Tom Garvey	Milwaukee	.414-852-3696
Raymond Weber	Wis. Rapids	.715-571-1609

Two plan reviewers resign

Two Safety and Buildings Division plan reviewers resigned in early March to take positions in the private sector. Bill Sullivan was a fire protection systems plan reviewer in the Madison office. Minh Tran was a commercial buildings plan reviewer in the Green Bay office.

Fire protection system questions

Questions regarding fire suppression and alarm system plan review should be directed to Keith Glaunert, Waukesha, 262-548-8604, kglaunert@commerce. state.wi.us, Lynn LeCount, LLecount@commerce. state.wi.us, 920-492-7727, or Dan Meneguin, Madison, 608-266-0056, dmeneguin@commerce.state.wi.us.

Commercial Buildings - Fire Protection

Online subscription email services

You can sign up online to receive occasional messages from the Safety and Buildings Division about news S&B feels is important to people interested in seven specific programs and two general topics.

Commercial Buildings - Fire Protection Systems - Forms -Manufactured/Mobile Homes -Plumbing - Public Sector Safety -Private Onsite Wastewater Treatment - Uniform Dwelling Code - WCCR

In the case of the *Wisconsin*Construction Codes Report list, you will be notified when a new monthly WCCR is placed on the WebSite. In the case of the Forms list, you will be notified at the end of a week in which substantive changes were made to one or more forms on the WebSite.

http://www.commerce.state.wi.us/ SB/SB-DivEmailSignup.html

- Public Sector Safety -

Systems - Forms - Manufactured/Mobile Homes - P

Recent Commercial Buildings Material Evaluations

200232-M (Replaces 960032-M) Metal Building Systems, American Buildings. 200328-0 Elastizell Cellular Concrete and Ability Form Assembly Construction System, Elastizell Corp.

200330-O Tuff-N-Dri Waterproofing, Tremco Barrier Solutions

See online, http:// www.commerce.state.wi.us/SB/SB-CommercialBuildingsXProductE.html

Employment Opportunity

Adams County is recruiting a Building Inspector for the Planning and Zoning Department. Individual will be responsible for inspection of buildings and all appurtenances, septic systems, and zoning for compliance with Wisconsin laws, administrative codes, and applicable ordinances of Adams County.

Qualifications: Wisconsin Department of Com-merce certification as a UDC Inspector for electrical, HVAC, general construction, and interior plumbing. Private Onsite Waste Treatment System certifications must be acquired within 18 months of the date of hire for Certified Soil Tester (CST), POWTS Inspector, and POWTS Maintainer; Valid Wisconsin driver's license, computer knowledge, and skills.

Starting Salary: \$16.18-\$18.62 per hour depending upon certifications. Wage increases at six months and one year per Courthouse Union Local 1168 Contract.

A generous benefit packet is offered with Wisconsin retirement fully paid by the county. Health insurance premium is paid at 90 percent with statewide and national networks. Life insurance, dental, and optical plans available.

Deadline to Apply: Submit application/resume by **Monday, April 19, 2004, by noon,** to the Adams County Personnel Office, P.O. Box 450, Friendship, WI 53934. To request an application/job description, telephone 608-339-4267. Adams County is an EOE.

Plumbing information in a Q&A format organized by code section is on the S&B WebSite: http://www.commerce.state.wi.us/SB/SB-PlumbingDatabase Report.html

Private Onsite Wastewater Treatment - Uniform Dwelling Code - WCCR

Electrical Q&A

continued from page 3 dwelling unit is computed showing a smaller load on the grounded conductor than on the phase conductors. Can I size my grounded conductor to that computation?

Answer: No. You must follow Section 220-22 for the size of a grounded conductor. The grounded conductor on a single phased three-phase system does not carry the unbalanced load, but rather it carries approximately the same load as the ungrounded conductors.

Question: Please explain Class A and Class B ground-fault circuit-interrupters. I have heard different stories and different current levels. What is the correct information?

Answer: Prior to 1965 some swimming pool light fixtures had a leakage greater than 5 mA and ground-fault circuit interrupter protection was provided at 20 mA by a class B ground-fault circuit interrupter, which trips when the current to

If you have a S&B credential, take your card out and look at it. When is your renewal? Keep track of the renewal date! Keep track of your opportunity to work! S&B Credential Unit, 608-261-8500, madisoncred@commerce. state.wi.us

ground exceeded 20 mA. A class A ground fault device is the GFCI that trips at 4 to 6 mA leakage current and is suitable for use in branch and feeder circuits including swimming pools. Swimming pool circuits installed before the 1965 NEC may have sufficient leakage current to cause a class A ground-fault circuit interrupter to trip and warrant the use of a Class B.

POWTS Continuing Ed

March 31, 2004, Fond du Lac

Wieser Concrete

Products Call Wayne, 800-641-5937, for pre-registration, 8 a.m. to 3:30 p.m. Includes
Lunch. 6 hours credit to
POWTS Insp, MP, MPRS, JP,
JPRS, CST, POWTS Maint
Wieser Concrete Products

Fax or email technical code questions to:

- Amusement Rides, Rope/Ski Tows	608-283-7419	.healthsafetech@commerce.state.wi.us
- Boilers and Pressure Vessels	608-283-7420	.sbboilertech@commerce.state.wi.us
- Building and Plumbing Products	608-283-7407	.productech@commerce.state.wi.us
- Commercial Buildings, Comm 61-65	608-283-7402	.bldgtech@commerce.state.wi.us
- Electrical	608-283-7418	.electrictech@commerce.state.wi.us
- Elevators	608-283-7411	.elevatortech@commerce.state.wi.us
- Fire Protection Systems	608-283-7405	.fireprotech@commerce.state.wi.us
- Gas Systems	608-283-7420	.sbboilertech@commerce.state.wi.us
- Licenses, Certifications, Registrations	608-283-7400	.madisoncred@commerce.state.wi.us
- Manufactured/Mobile Homes	608-283-7401	.manf-homes@commerce.state.wi.us
- One- and Two-Family Dwelling Code	608-283-7428	.udctech@commerce.state.wi.us
- Plumbing, Cross Connection Control	608-283-7403	.plbgtech@commerce.state.wi.us
- Private Onsite Wastewater Treatment	608-283-7404	.powtstech@commerce.state.wi.us
- Public Sector Safety	608-283-7419	.healthsafetech@commerce.state.wi.us
- Public Swimming Pools	608-283-7406	.pooltech@commerce.state.wi.us
- Welding	608-283-7420	.sbboilertech@commerce.state.wi.us

Notes on water heaters for space heating

*Comm 41.45(1) of the Wisconsin Boiler Code exempts water heaters from the boiler code.

*Listing: Per Comm 23.04 and International Fuel Gas Code 623, heating equipment shall be listed and installed per its listing. Water heaters used for space heating need to be listed for such use and their data plate shall indicate that the unit can be used for simultaneous space heating. IFGC 623 specifies that gas-fueled heaters be listed per ANSI Z21.10.1 or ANSI Z21.10.3. These standards are intended for dual use, which means that in addition to the heating use, it shall also be used for potable use, which may be satisfied with at least one properly connected plumbing appliance or fixture. (A hose bibb is a fixture.)

*Unlisted Space-Heating Only Equipment: Water heaters listed per ANSI Z21.10.1 or ANSI Z21.10.3 that are used for space-heating only would be considered unlisted. Section IFGC 65.0301 for gas-fired appliances and Comm 64.0301(2) for other fuels allow unlisted equipment if a Wisconsin-registered engineer or

Contact information for plan review

To schedule an appointment (commercial/multifamily buildings, pools, or plumbing):

- •Fax: 24-hour toll-free number for appointment scheduling, 877-840-9172
- •Email: planschedule@commerce.state.wi.us

For application forms:

- On the S&B WebSite (choose "Get Forms," http://www.commerce state.wi.us/SB/SB-DivForms.html)
- •Call any of the offices listed on page 10

Info about next available review appointment:

http://www.commerce.state.wi.us/SB/SB-DivDailyDoc.html

Info about status of plan review:

http://www.commerce.state.wi.us/SB/SB-DivReviewStatusSearch.html Pay attention to which code provides requirements for water heaters for space heating and the buildings the codes govern.

The Wisconsin Uniform Dwelling Code, Comm 20-25, applies to only one- and twofamily dwellings built since 1980.

The Wisconsin Commercial Building Code, Comm 61-65, applies only to commercial and multi-family dwellings.

The Wisconsin Plumbing Code, Comm 81-87, applies to all buildings.

The IMC and the IFGC apply to commercial buildings.

architect tests the appliance output and safety controls to these or other appropriate standards, as determined by the manufacturer. This may be done for each installation or the manufacturer may obtain a Wisconsin Material Approval for repetitive installations. These material approvals may also be valid under the UDC.

* Efficiency: Federal appliance efficiency standards take precendence over Wisconsin's efficiency requirements for smaller appliances for which there are federal standards. Federal regulations require that a manufacturer meet the standard applicable for the type of appliance that they market as an appliance. There is a federal standard for potable water heaters. There is a federal standard for boilers, which would apply to water heaters used for space heating only. There is no state or local responsibility or authority to enforce the federal rules.

*Sizing: Per Comm 22.12(2), the water heater shall be oversized for potable water usage

continued on next page

You may search S&B computer records for Cross Connection
Control Device information. See the pumbing program page, http://
www.commerce.state.wi.us/SB/SB-PlumbingProgram.html



water heaters for space heating

continued from previous page between 43 percent and 49 percent of the calculated space heating usage. Per Comm 64.1001, IFGC 623 for gas appliances, and Comm 82.40(5)(a), a dual-use water heater shall be sized to provide hot water to supply both the daily and hourly peak loads of the building.

*Plumbing Code: Any equipment or piping that comes in contact with potable water must meet the potable water plumbing materials standards. (A Wisconsin Plumbing Products Approval is not required.) The installation of the system that comes in contact with the potable water system must be installed by a properlycredentialed plumber or homeowner as permitted in chapter 145, Stats. A floor drain or receptor must be provided for the water heater relief valve. Also, if the water heater is installed on a floor which is entirely below grade, a floor drain must be provided. If a heat exchanger is used and only non-toxic additives are used, it may be a singlewall heat exchanger. If toxic additives are used, then the heat exchanger shall be a vented, doublewall heat exchanger as required by Comm 82.41(3)(d). The valving and safety devices on the system must comply with the plumbing code.

*Non-potable piping: If the listing, engineer/ architect statement, or Wisconsin Material Approval permits the installation of backflow prevention at the water heater inlet or isolation of the water heater used for space heating only, then non-potable or potable water materials may be used. Nonpotable heat distribution piping standards are not specified in the codes.

*Backflow Protection: If backflow protection is installed before the water heater used for space heating only, then the building's water system is no longer available for expansion of the heated water. A temperature-pressure relief valve must be selected in coordination with the backflow preventer. There needs to be an expansion tank, or other expansion means, provided. These items, if allowed, shall be installed per the water heater's listing.

*Temperature Setting: Per 704.06 of the state statutes, a residential landlord shall set the

potable water heater temperature no higher than 125 degrees F. Per Comm 81.01(126), Plumbing Code, the minimum water temperature for hot potable water is 110 degrees F.

*Isolated Water Heaters: If a water heater is installed with no connection to the potable water system, then typically proper water expansion means shall be provided per the heater's listing.

*Pipe Insulation: Per Comm 22.19 and Comm 63.1029, heating pipes shall be insulated to R-4 when passing through unheated spaces.

*Combustion Air: Combustion air shall be provided per Comm 23.08, IFGC 304 for gas-fired appliances, or International Mechanical Code 701 for all other fuels.

POWTS Maintainer class also provides con ed

The UW-Madison Small Scale Waste Management Project offers an all-day POWTS class Tuesday, April 27, 2004, at the Arlington UW Research Station.

Pretreatment/Treatment Systems (classroom) will be covered in the a.m. and Evaluation and Maintenance (classroom and field) in the p.m.

The class is approved for as the required 6-hour POWTS maintainer-qualifier registration course, and as continuing education credits for POWTS inspectors, maintainers, soil testers, plumbers and septage haulers (DNR) credentials. Fee \$70. For more information, contact Jim Peterson, UW Environmental Resources Center, Madison, 608-262-3799, jopeters@wisc.edu.

The Wisconsin Plumbing
Products Register is online,
http://www.commerce.
state.wi.us/SB/SBPubsPlumbing
ProductsRegister.html.



Overview of individual UDC inspection certifications

Who must have these credentials? Persons may conduct the inspection of one- and two-family dwellings for the purpose of administering and enforcing Comm 20-25 if they hold one or more of the following certifications issued by the Department of Commerce: 1. Certified UDC-construction inspector; 2. Certified UDC-electrical inspector; 3. Certified UDC-HVAC inspector; 4. Certified UDC-plumbing inspector; or 5. Certified soil erosion inspector.

How do the credentials vary? There are different categories of inspections involved in enforcement of the Uniform Dwelling Code. A person can hold one or more of the inspection certifications. A certified UDC-construction inspector may inspect one- and two-family dwellings for the purpose of administering and enforcing Comm 20 to 22, including soil erosion issues. A certified UDC-electrical inspector may inspect for Comm 16 and 22. A certified UDC-plumbing inspector may inspect for Comm 25, and Comm 82 and 84, Plumbing Code. A certified UDC-HVAC inspector may inspect for Comm 23. A certified soil erosion inspector may inspect for Comm 21.125.

What are the prerequisites for obtaining these credentials? Pass an exam.

How does someone obtain the credential? A person applying to take a UDC inspector examination shall submit an appropriate completed application, a \$10 application fee, and a \$20 exam fee. Upon successful passage of the exam, an applicant will receive a letter asking them to submit a prorated part of the \$15 two-year license fee.

What are the terms of the credentials? The certifications expire on June 30. The initial terms extend until the second June 30 after issuance of the certification. The first certification fee is prorated. After the initial term, the terms are two years.

Where can you get the application form? Get the form on the Internet, http://www.commerce.state.wi.us/SB/SB-FormCredAppList.html. You may fax a request for a specific credential form to 608-783-7400 or email a form request to madisoncred@commerce.state.wi.us.

What will be on the exams? The open book exams have multiple choice questions about Comm 5, Credential Code, and the portions of Comm 20-25 that the certification enforces. Standards and codes adopted or referenced by Comm 20-25 are part of the exams.

How will the credentials be renewed? A renewal letter will be sent to credential holders for whom S&B has record of fulfilling the continuing education requirements, approximately 45 days before the renewal date. A nonrenewal letter is sent to those people who do not have sufficient continuing education recorded with the division by March 30 of the year their credential expires.

Is there a continuing education requirement? There are no continuing education requirement for the initial term after passing the UDC certification examinations. To renew for the second time, the requirement is to obtain at least 12 hours of acceptable continuing education by March 30 of the year the certification expires. There is no continuing education requirement for soil erosion inspectors.

UDC Inspection Agencies

enforcement by inspection agencies; (f) Reporting to the department in writing when the agency has been dismissed by the owner or builder; (g) Making any records associated with their permit, plan review and inspection activities available to the permit holder upon request.

- A person may submit the appropriate completed application, the \$10 application fee, and the \$15 registration fee.
- The term of the credential is two years from date of issuance.

continued from page 1

- The certification application form is on the S&B WebSite, http://www.commerce.state.wi.us/SB/SB-FormCredAppList.html. You may fax a request for a specific credential form to 608-783-7400 or email a request to madisoncred@commerce. state.wi.us.
- There is no continuing education requirement for the agency certification.
- A renewal letter will be sent to the credential holder about 45 days before the renewal date.

Enrolled Commercial Building Code is updated

An up-to-date Enrolled *WCBC* is now available in a two-volume, ring-binder paper set, for \$200, and in a single-user, compact-disc electronic version for \$240.

There have been two *WCBC* revision packages since the Enrolled Code was originally printed in 2002, with one being effective last spring.

There are now two update sets of pages for the original paper 2002 version of the Enrolled Code, available for free download or for purchase (\$10 per set), http://www.commerce.state.wi.us/SB/SB-CommercialBuildingsCodeObtain.html.

The paper copies of the complete Enrolled Code for sale now are complete new versions which do not need any update pages. (All CD copies of the Enrolled Code, no matter when purchased, are the latest versions and do not need any updating!) The second paper printing differs from the original 2002 printing by incorporating code changes that became effective on July 1, 2002, and on May 1, 2003.

The Wisconsin Enrolled
Commercial Building Code
includes Comm 61 to 65 and
adopted provisions of the
International Code Council codes.

Replacement Pages: Any paper copies of the 2002 printing that were purchased before July 8, 2002, can be updated to match the latest printing by obtaining a 2002 set of replacement pages and a 2003 set of replacement pages. Any paper copies of the 2002 printing that were received after July 8, 2002 and before November 21, 2003, (which did include the 2002 set of replacement pages) can be updated to match the latest printing by obtaining just the 2003 set of replacement pages. These two sets of replacement pages can be downloaded free on the S&B WebSite, or can be purchased using the order form below.

Order Form - Wisconsin Enrolled Commercial Building Code - February 2004
Number of sets of the latest full paper version (\$200 per set)
Number of copies of the latest full single-user, compact-disc version (\$240 per copy)
Number of sets of 2002 replacement pages (\$10 per set)
Number of sets of 2003 replacement pages (\$10 per set)
Send check for the total amount (S&B cannot accept credit or debit card purchases) to the "Safety and Buildings Division" Attn: Roberta Ward, P.O. Box 2689, Madison WI 53701
Company or individual name:
Shipping street address:
Special instructions, such as your UPS customer number for overnight shipping:
City, state, zip code:
Telephone number:
Fiscal code 8035 Personal information you provide may be used for secondary purposes [Privacy Law s 1504(1)(m)]

Wisconsin Construction Codes Report The *WCCR* is a monthly publication of the Safety and Buildings Division, Wisconsin Department of Commerce. For a one-year paper subscription, send \$20 to S&B Material Orders, PO Box 2509, Madison, 53701. Be sure to provide return mail info and note what you are ordering. *WCCR* on the WebSite: http://www.commerce. state.wi.us/SB/SB-DivPublications.html.

Safety and Buildings Offices

Green Bay Office	Madison Office
2331 San Luis Pl #150	201 W Washington Ave
Green Bay WI 54304	PO 2658
920-492-5601	Madison WI 53701
Fax 920-492-5604	608-266-3151
planschedule@commerce	Fax 608-267-9566
.state.wi.us	planschedule@commerce .state.wi.us
Hayward Office	
10541N Ranch Rd.	Shawano Office
Hayward WI 54843	1340 E Green Bay St #300
715-634-4870	Shawano WI 54166
Fax 715-634-5150	715-524-3626
planschedule@commerce	Fax 715-524-3633
.state.wi.us	planschedule@commerce
	.state.wi.us
La Crosse Office	
4003 North Kinney	Waukesha Office
Coulee Road	141 NW Barstow St, 4th flr
LaCrosse WI 54601	Waukesha WI 53188
608-785-9334	262-548-8600
Fax 608-785-9330	Fax 262-548-8614
planschedule@commerce	planschedule@commerce

Elevator Inspectors

.state.wi.us

.state.wi.us

David Holmes	Eau Claire	715-828-5901
Jim Kreuzer	Tomah	608-235-0603
Timothy Marty	Appleton	920-428-9422
James Pacala	Woodruff	715-296-2906
George Poblocki	Amherst	715-340-0109
Ted Stinson	Waukesha	414-852-3627
Frank Wozniak	Waukesha	414-315-8102
Dan Meneguin, Superv.	Madison	608-266-0056

Fire Protection Systems

Keith Glaunert	Waukesha	262-548-8604
Lynne LeCount	Green Bay	920-492-7727

POWTS Wastewater Specialists

Ross Fugill	Shawano	715-524-3629
Leroy Jansky	Chippewa Falls	715-726-2544
Matthew Janzen	Stevens Point	715-345-5336
Carl Lippert	Hayward	715-634-3484
Karl Schultz	Oshkosh	920-428-9719
Dennis Sorenson	La Crosse	608-785-9336
Duane Steiner	Baraboo	608-235-0608
Allen Wendorf	Madison	608-235-0595
Harold Stanlick, Superv.	Waukesha	262-521-5065

Public Swimming Pool Reviewer

Glen Jones	Madison	608-267-5265

Industrial Hygienists

Tom Pritchett	Lodi	608-576-4123
Susen Trail	Athens	715-571-4540
Dave Vriezen, Superv	Madison	608-261-2503

Plumbing/Pool Consultants

Tom Braun	Stevens Point	715-340-5387
Don Hough	Hayward	715-634-4804
Tim Joyce	Madison	608-235-0557
Don Oremus	Pelican Lake	715-584-2007
Jim Wehinger	Dellwood	608-235-0592
Jim Zickert	Eldorado	920-948-7336
Harold Stanlick, Superv.	Waukesha	262-521-5065

Plumbing Plan Reviewers

Herman Delfosse	La Crosse	608-789-5535
Tom Devereaux	Hayward	715-634-3026
Wes Grube	Green Bay	920-492-5613
Chester Kintop	Waukesha	262-548-8634
Dan Kraft	Madison	608-266-8075
Ken Pertzborn	Madison	608-267-2242
Curt Wendorff	Shawano	715-526-9056

POWTS Plan Reviewers

Charles Bratz	La Crosse	608-789-7893
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Wes Grube	Green Bay	920-492-5613
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